

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A planar fuel cell comprising: an electrode-membrane-electrode assembly, wherein the membrane includes a fabric having a warp fibers ~~, a warp fabric of which~~ are continuous insulating fibers ~~[[in]] of an electrically insulating material and weft fibers comprising of which alternately are fibers in both fibers of the insulating material and fibers~~ ~~[[in]] of an~~ electrically conducting material in an alternating fashion, so as to form insulating areas and conducting areas, respectively.
2. (Currently Amended) The fuel cell according to claim 1, wherein the fibers in the insulating material are ~~[[in]]~~ a polymer or ~~[[in]]~~ an inert glass.
3. (Currently Amended) The fuel cell according to claim 1, wherein in the fibers in electrically conducting material are carbon fibers or stainless steel fibers.
4. (Cancelled)
5. (Cancelled)
6. (New) The fuel cell according to claim 1, further comprising insulating gaskets disposed between the conducting areas and the insulating areas.

7. (New) The fuel cell according to claim 1, further comprising a seal layer disposed around a periphery of the fabric, wherein the seal layer has a thickness larger than a thickness of the fabric.

8. (New) The fuel cell according to claim 1, further comprising an anode disposed on a first side of the fabric and a cathode disposed on a second side of the fabric opposite to the first side.

9. (New) The fuel cell according to claim 1, further comprising an ion conductor disposed over the fabric.

10. (New) A planar fuel cell including a fabric, the fabric comprising:
a plurality of insulating warp fibers oriented in a first direction, the insulating warp fibers being made of an electrically insulating material; and
a plurality of weft fibers in the fabric and oriented in a second direction substantially perpendicular to the warp fibers, the weft fibers being made of an electrically conducting material in a first conducting area, the weft fibers being made of an electrically insulating material in a first insulating area, wherein the first conducting area and the first insulating area are adjacent to one another in the fabric.

11. (New) The fuel cell according to claim 10, further comprising the weft fibers being made of the electrically insulating area in a second insulating area located adjacent to the first conducting area and on an opposite side of the first conducting area from the first insulating area.

12. (New) The fuel cell according to claim 10, further comprising insulating gaskets disposed between the first conducting area and the first insulating area.

13. (New) The fuel cell according to claim 10, further comprising a seal layer disposed around a periphery of the fabric, wherein the seal layer has a thickness larger than a thickness of the fabric.

14. (New) The fuel cell according to claim 10, further comprising an anode disposed on a first side of the fabric and a cathode disposed on a second side of the fabric opposite to the first side.

15. (New) The fuel cell according to claim 10, further comprising an ion conductor disposed over the fabric.